**Water Properties Lab Activities**

*Directions: For each station, you must write the following in your lab notebook:*

*A. Title of station*

*B. Which water property is being observed?*

*C. Explain how that activity shows that water property.*

**Station #1: Freeze!**

* Observe the differences between a can of soda that was frozen, and a can of soda that remained at room temperature.

**Station #2: Dish-and-clips (**Materials: paper clip, petri dish, tweezers, water in a beaker, paper towels)

* After drying off the paperclip with a paper towel, use the tweezers to gently set the paperclip on the water.
* When finished, refill the dish if necessary; place the paper clip on the paper towel to dry.

**Station #3: Sink or Swim (**Materials: tongs, ice cubes (d = 0.917 g/mL), beaker of water, beaker of ethanol (d = 0.789 g/mL)CAUTION: ETHANOL IS HIGHLY POISONOUS! DO NOT DRINK!

* Using the tongs, place an ice cube in each beaker.
* When finished, leave materials as you found them. If more ice cubes are needed, notify your teacher.

**Station #4: Stop on a Dime (**Materials: dropper, dime, beaker of water)

* Make a prediction of how many drops of water will “fit” on the dime before it spills over the edge.
* Counting drops as you go, use the dropper to carefully add drops of water to the top of the dime.
* Continue to add drops until water spills over the edge. Record the total number of drops.

**Station #5: Much Color-ado About Nothing (**Materials: food coloring, 2 test tubes, 2 10-mL graduated cylinders, water in a beaker, oil in a beaker)

* Observe two flasks. One with water and food coloring and one with oil and food coloring.
* Do not shake the flasks.

**Station #6: To Wax Philosophic (**Materials: wax paper, dropper, water in beaker)

* Using the dropper, form a small puddle (about the size of a dime) on the wax paper.
* Place the tip of the dropper in the center of the puddle and slowly drag the tip of the dropper around the wax paper.
* When finished, dump the water back in to the beaker.

**Station #7: Loony Ballooney (**Materials: paper towel, balloon, narrow stream of water from faucet)

* Rub the balloon with the paper towel (or on your lab partners hair!)
* Carefully turn on the faucet so that a narrow stream of water flows.
* Bring the balloon near (but not touching!) the stream of water. Observe

**Station #8: Anti-Gravity (**Materials: paper towel, shallow dish of water)

* Fold a paper towel in half, then roll it in to a tight tube which has a diameter smaller than that of the dish.
* Stand the rolled paper towel in the water in the dish. Observe.

**Station #9: Down to the Wire (**Materials: ice cubes, short piece of wire)

* Place an ice cube on the table and lay the piece of wire over the ice cube.
* Grasping the wire very close to the ice cube, slowly push the wire down on the ice cube using your thumbs.
* After pushing for about 30 seconds, observe the results. Continue to gently push the wire on the ice cube.